

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	10/774,682-Conf. #9428
		Filing Date	February 9, 2004
		First Named Inventor	Thomas RUECKES
		Art Unit	2823
		Examiner Name	W. D. Coleman
Sheet	1	of	3
		Attorney Docket Number	0112020.00129US2

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (# known)	MM-DD-YYYY		
	AA*	US-2003/0122111-A1	07-03-2003	Glatkowski	
	AB*	US-2003/0177450-A1	09-18-2003	Nugent	
	AC*	US-2003/0200521-A1	10-23-2003	DeHon et al.	
	AD*	US-2004/0005723-A1	01-08-2004	Empedocles et al.	
	AE*	US-2004/0007528-A1	01-15-2004	Bakajin et al.	
	AF*	US-2004/0023253-A1	02-05-2004	Kunwar et al.	
	AG*	US-2004/0041154-A1	03-04-2004	Watanabe et al.	
	AH*	US-2004/0043527-A1	03-04-2004	Bradley et al.	
	AI*	US-2004/0071949-A1	04-15-2004	Glatkowski et al.	
	AJ*	US-2004/0099438-A1	05-27-2004	Arthur et al.	
	AK*	US-2004/0104129-A1	05-30-2006	Gu et al.	
	AL*	US-2004/0238907-A1	12-02-2004	Pinkerton et al.	
	AM*	US-2004/0253167-A1	12-16-2004	Silva et al.	
	AN*	US-2004/0265550-A1	12-30-2004	Glatkowski et al.	
	AO*	US-2005/0053525	03-10-2005	Segal et al.	
	AP*	US-2005/0065741	03-24-2005	Segal et al.	
	AQ*	US-2005/0068128-A1	03-31-2005	Yip	
	AR*	US-2005/0095938-A1	05-05-2005	Rosenberger et al.	
	AS*	US-2006/0237799-A1	10-26-2006	Lu et al.	
	AT*	US-2006/0278902-A1	12-14-2006	Sun et al.	
	AU*	US-2006/0237537	10-26-2006	Empedocles et al.	
	AV*	US-6,100,109	08-08-2000	Melzner et al.	
	AW*	US-6,250,984	06-26-2001	Jin et al.	
	AX*	US-6,277,318	08-21-2001	Bower et al.	
	AY*	US-6,314,019	11-06-2001	Kuekes et al.	
	AZ*	US-6,409,567	06-25-2002	Amey, Jr. et al.	
	AA1*	US-6,426,687	07-30-2002	Osborn	
	AB1*	US-6,445,006	09-03-2002	Brandes et al.	
	AC1*	US-6,515,339-A1	02-04-2003	Shin et al.	
	AD1*	US-6,548,841-A1	04-15-2003	Frazier et al.	
	AE1*	US-6,803,840-A1	10-12-2004	Hunt et al.	
	AF1*	US-6,809,462	10-26-2004	Pelrine et al.	
	AG1*	US-6,899,945-A1	05-31-2005	Smalley et al.	
	AH1*	US-6,919,592-A1	07-19-2005	Segal et al.	
	AI1*	US-6,919,740-A1	07-19-2005	Snider	
	AJ1*	US-6,921,575-A1	07-26-2005	Horiuchi et al.	
	AK1*	US-6,955,937	10-18-2005	Burke et al.	
	AL1*	US-6,969,651	11-29-2005	Lu et al.	
	AM1*	US-7,057,402-A1	06-06-2006	Cole et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code ³ -Number ⁴ -Kind Code ⁵ (# known)	MM-DD-YYYY		
	BA	GB-2364933	02-13-2002	LG Electronics Inc	
Examiner Signature				Date Considered	

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		Examiner Name	W. D. Coleman		
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	BB	JP-2000-203821	07-25-2000	Tsuboi Toshiyuki	
	BC	JP-2004-090208	03-24-2004	Fuji Xerox Co. Ltd.	
	BD	WO-98/39250-A1	09-11-1998	William Marsh Rice University	
	BE	WO-99/65821-A1	12-23-1999	The Research Foundation of State University of NY	
	BF	WO-00/48195	08-17-2000	Univ Michigan et al.	
	BG	WO-02/45113-A1	06-06-2002	NEC Corporation	
	BH	WO-02/48701-A2	06-20-2002	President and Fellows of Harvard College	
	BI	WO-03/16901	02-27-2003	Samsung Electronics Co., Ltd	

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NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
	CA	BANERJEE, et al S. Wong. "Functionalization of Carbon Nanotubes with a Metal-Containing Molecular Complex." Nano Letters (2001); 0, A-E.			
	CB	BERHAN, L. et al., "Mechanical properties of nanotube sheets: Alterations in joint morphology and achievable moduli in manufacturable materials", Journal of Applied Physics, Vol. 95, No. 8, pp. 4335-4345, 15 April 2004			
	CC	BRADLEY, K. et al., "Flexible Nanotube Electronics," Nano Letters, Vol. 3, No. 10, pp. 1353-1355, 2003			
	CD	DESAI et al., "Freestanding Carbon Nanotube Specific Fabrication," Proc. of 2005 5th IEEE Conf., Nanotech., Nagoya, Japan, pp. 1-4, July 2005			
	CE	FRANKLIN, N. R. et al, "An Enhanced CVD Approach to Extensive Nanotube Networks with Directionality", Advanced Materials, pp. 890-894, 2002			
	CF	HADDON, R. C. "Purification and Separation of Carbon Nanotubes," MRS Bulletin (April 2004) pp. 252-256			
	CG	HAFNER, Jason H. et al. "Catalytic growth of single-wall carbon nanotubes from metal particles." Chemical Physics Letters, Vol. 296, pp. 195-202, Oct. 30, 1998			
	CH	HOMMA, Y., "Single-Walled Carbon Nanotube Growth on Silicon Substrates Using Nanoparticle Catalysts", Jpn. J. Appl. Phys., vol. 41, pp. L89-L91, 2002			
	CI	JOSELEVICH, Ernesto, "Vectorial Growth of Metallic and Semiconducting Single-Wall Carbon Nanotubes," Nano Letters, xxxx, Vol. 0, pp. A-E			
	CJ	KANETO, K., et al., "Electrical conductivities of multi-wall carbon nano tubes", Synthetic Metals, Elsevier Science S.A., Vol. 103, pp. 2543-2546, 1999			
	CK	KONG, J. et al., "Nanotube Molecular Wires as Chemical Sensors", Science, Vol. 287, pp. 622-625, 28 January 2000			
	CL	LI, J. et al., "Carbon Nanotube Nanoelectrode Array for Ultrasensitive DNA Detection", Nano Letters, Vol. 3, No. 5, pp. 597-602, 2003			
	CM	PARIKH, K. et al., "Flexible vapour sensors using single walled carbon nanotubes", Sensors and Actuators B, Vol. 113, pp. 55-63, 2006			
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	CN	PEIGNEY, A. et al., "A Study of the Formation of Single- and Double-Walled Carbon Nanotubes by a CVD Method", Journal of Physical Chemistry B, Vol. 105, pp. 9699-9710, 2001	
	CO	Oi, P. et al., "Toward Large Arrays of Multiplex Functionalized Carbon Nanotube Sensors for Highly Sensitive and Selective Molecular Detection", Nano Letters, Vol. 3, No. 3, pp. 347-351, 2003	
	CP	SOTIROPOULOU, S. et al., "Carbon nanotube array-based biosensor", Anal Bioanal Chem, Vol. 375, pp. 103-105, 2003	
	CQ	STADERMANN, M. et al., "Nanoscale study of conduction through carbon nanotube networks," Phys. Rev. B 69 , 201402(R), 2004	
	CR	VALENTINI, L. et al., "Sensors for sub-ppm NO ₂ gas detection based on carbon nanotube thin films", Applied Physics Letters, Vol. 82, No. 6, pp. 961-963, 10 February 2003	

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